



## SEQUENCE LISTING

&lt;110&gt; William Nicol KEITH

&lt;120&gt; Promoter Regions of the Mouse and Human Telomerase RNA Component Genes

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&lt;140&gt; US 09/601,267

&lt;141&gt; 1999-01-29

&lt;150&gt; PCT/GB99/00308

&lt;151&gt; 1999-01-29

&lt;150&gt; GB 9801902.9

&lt;151&gt; 1998-01-29

&lt;160&gt; 86

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 1765

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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<223> Description of Artificial Sequence: Primer

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<210> 24

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<223> Description of Artificial Sequence: Primer

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Oligonucleotide

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Oligonucleotide

<400> 44

ccgggttgcg gaggtgggc ctggg

25

<210> 45

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 45

gcctgggagg ggtggtggcc

20

<210> 46

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 46  
ccgggttgcg gaaaatgggc ctggg 25

<210> 47  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 47  
gggcctgggt aaggtggtgg cc 22

<210> 48  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

B 1  
<400> 48  
gggcctgggt aaggtaatgg cc 22

<210> 49  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 49  
gggcctggga ggggtaatgg cc 22

<210> 50  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 50  
cttggccaat ccgtgcggtc gg 22

<210> 51  
<211> 22  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 51

cttggagtct ccgtgcggtc gg

22

<210> 52

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 52

gcgagagtca gcttggagtc tccgtgcgg

29

<210> 53

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 53

cttggccaat cctgatggtc gg

22

<210> 54

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 54

cggcggccgc tccctttata agccgact

28

<210> 55

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 55  
cttacgccgc tccctttata agcc

24

<210> 56  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 56  
ccgtgcgggc ttacgccgct ccc

23

<210> 57  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

*B1*  
<400> 57  
cggcgtaaac tccctttata agcc

24

<210> 58  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 58  
cggcgggccat agcctttata agcc

24

<210> 59  
<211> 24  
<212> DNA  
<213> Artificial Sequence

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<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 59  
cggcgggccgc tcatgctata agcc

24

<210> 60  
<211> 24  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 60

cggcggccgc tcccttcgac agcc

24

<210> 61

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 61

ccgctccctt cgacagccga ctgcg

25

<210> 62

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 62

accagcccgc ccgagagagt

20

<210> 63

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 63

accagcccga-acgagagagt

20

<210> 64

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide



<400> 64  
gaaaaaagggg cagggttgga

20

<210> 65  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 65  
gaaaaaagggtt cagggttgga

20

<210> 66  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
sequence

<400> 66  
cttacgccgc tccctttata agccgact

28

<210> 67  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
sequence

<400> 67  
cggcgtaaac tccctttata agccgact

28

<210> 68  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
sequence

<400> 68  
cggcggccat agcctttata agccgact

28

<210> 69  
<211> 28

<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
sequence

<400> 69  
cggcggccgc tcattgctata agccgact 28

<210> 70  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
sequence

<400> 70  
cggcggccgc tcccttcgac agccgact 28

<210> 71  
<211> 53  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 71  
agccccgaacg agagagtgac tctcacgaga gccgcgagag tcagcttggc caa 53

<210> 72  
<211> 53  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 72  
~~agccccgccg agagagtgac tctcacgaga gccgcgagag tcagcttgga gtc~~ 53

<210> 73  
<211> 107  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 73  
agcccgaacg agagagtgac tctcacgaga gccgcgagag tcagcttggc caatccgtgc 60  
ggtcggcggc catagccttt ataagccgac tcgcccggca gcgcacc 107

<210> 74  
<211> 107  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 74  
agcccgaacg agagagtgac tctcacgaga gccgcgagag tcagcttggc caatccgtgc 60  
ggtcggcggc cgctcatgct ataagccgac tcgcccggca gcgcacc 107

<210> 75  
<211> 54  
<212> DNA  
<213> Artificial Sequence

B / <220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 75  
tcctgatggt cggcgggccgc tccctttata agccgactcg cccggcagcg cacc 54

<210> 76  
<211> 54  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 76  
tccgtgcggt cttacgccgc tccctttata agccgactcg cccggcagcg cacc 54

<210> 77  
<211> 54  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 77  
tccgtgcggt cggcgtaaac tccctttata agccgactcg cccggcagcg cacc 54

<210> 78  
<211> 54  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 78  
tccgtgcggt cggcggccat agcctttata agccgactcg cccggcagcg cacc 54

<210> 79  
<211> 54  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 79  
tccgtgcggt cggcggccgc tcatgctata agccgactcg cccggcagcg cacc 54

B1  
<210> 80  
<211> 54  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 80  
tccgtgcggt cggcggccgc tcccttcgac agccgactcg cccggcagcg cacc 54

<210> 81  
<211> 120  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

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<400> 81  
gtgcggtcgg cggccgctcc ctttataagc cgactcgccc ggcagcgcac cgggttgagg 60  
agggtggggc tgggaggggt ggtggccatt tttgtctaa ccctaactga gaagggcgta 120

<210> 82  
<211> 51  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 82  
gggttgcgga aaatgggcct gggaggggtg gtggccattt tttgtctaac c 51

<210> 83  
<211> 51  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 83  
gggttgcgga ggggtgggcct gggtaagggtg gtggccattt tttgtctaac c 51

<210> 84  
<211> 51  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 84  
gggttgcgga aaatgggcct gggtaagggtg gtggccattt tttgtctaac c 51

<210> 85  
<211> 51  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 85  
gggttgcgga ggggtgggcct gggtaaggta atggccattt tttgtctaac c 51

<210> 86  
<211> 51  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Mutant  
construct

<400> 86

gggttgcgga aaatgggcct gggttaaggta atggccattt tttgtctaac c

51

Becond'.  

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